

# Storm Data and Unusual Weather Phenomena

March 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------	---------------------------------	---------------------------------	-------	--------------------

## NEW MEXICO Southeast

NMZ028>029	Eddy County Plains - Northern Lea County	07	1000MST 1900MST			0	0		High Wind (G54)M
<p>Strong gradient winds knocked over trees, street signs, and powerlines in Artesia and Carlsbad.</p> <p>A high wind event that involved most of the region. Utility lines and poles were downed, trailers rolled over, and the visibility was so low that the Texas and New Mexico Departments of Transportation closed U.S. 285 from Pecos, Texas to Malaga, New Mexico.</p>									

## TEXAS West

Midland County									
Midland Arpt	02	0050CST				0	0		Hail (0.75)
Midland County									
4 NNW Midland	02	0055CST				0	0		Hail (1.00)
Dawson County									
10 SW Lamesa to	02	0207CST	2	200		0	0		Tornado(F1)
8 W Lamesa		0217CST							
<p>Tornado formed quickly in a small supercell that moved into Dawson County from Gaines County, Video indicated a condensation funnel to the ground. The tornado passed through open farm land causing no damage.</p>									

TXZ258	An approaching upper level storm system helped the development on nocturnal thunderstorms.								
	Guadalupe Mountains Of Culberson County	02	0427MST 1458MST			0	0		High Wind (G51)M

TXZ045>046-048-058-061>062-258	A vigorous upper level storm system moved across the area producing very strong and gusty west winds.								
	Gaines - Dawson - Scurry - Reeves County And Upper Trans Pecos - Ector - Midland - Guadalupe Mountains Of Culberson County	07	0800CST 1900CST			0	0	101K	High Wind (G52)M

Andrews County	High winds caused damage in some parts of the county including large doors on an airport hangar and trees toppled over.								
8 E Andrews		07	1230CST			0	0	10K	Thunderstorm Wind
Ector County	Thunderstorm outflow winds blew over a trailer.								

Odessa		07	1242CST 1250CST			0	0	10K	Thunderstorm Wind
<p>Thunderstorm outflow winds blew over a mobile home in Odessa and tore tin off other buildings. Also a church in Odessa had it's roof tom off. Utility lines and poles were knocked down at several locations around the city. The storms were embedded in a squall line with high gradient winds as well. These storms had better radar characteristics and it was thought that much of the wind damage was from convective downdrafts versus pure gradient wind. The storms' intensities subsided after passing by Odessa.</p>									

This high wind event involved most of the region in the wake of a Pacific cold front that swept through the area. Blowing dust was reported ahead of the front with south winds and also behind the front with west winds. A squall line of thunderstorms developed as the front crossed into Texas from eastern New Mexico. With all the dust in the air, a muddy rain fell within the squall line.

Utility lines and poles were downed, trailers rolled over, and the visibility was so low (in blowing dust) that the Texas Dept. of Transportation closed I-20 west of Mile Marker 40, State Highway 17 between Pecos and Balmorhea and U.S. 285 north of Pecos the New Mexico state line, where the NM DOT closed the highway farther north to Malaga.

TXZ258	Guadalupe Mountains Of Culberson County	18	1853MST 2153MST			0	0		High Wind (G40)M
--------	---	----	--------------------	--	--	---	---	--	------------------

TXZ258	An upper level disturbance produced sustained winds up to 40 knots at the Guadalupe Pass.								
	Guadalupe Mountains Of Culberson County	20	0800MST 1400MST			0	0		High Wind (G60)M

# Storm Data and Unusual Weather Phenomena

March 2000

									March 2000
Location	Date	Time Local! Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property	Estimated Damage Crops	Character of Storm
<u>TEXAS West</u>									
Scurry County									
4 N Snyder	21	1930CST			0	0			Hail (1.75)
		1935CST							
Scurry County									
1 N Snyder	21	1932CST			0	0	1K		Thunderstorm Wind
A large store window was blown out by thunderstorm outflow winds.									
Gaines County									
18 W Seminole	22	0005CST			0	0			Hail (1.00)
Andrews County									
2 W Frankel City	22	0025CST			0	0			Hail (1.00)
Andrews County									
2 W Frankel City	22	0025CST			0	0			Thunderstorm Wind (G60)
Ward County									
Wickett to	22	0050CST	1	250	0	0	300K		Tornado (F0)
1 N Wickett		0054CST							
A supercell storm moving to the northeast spawned a weak tornado that moved straight north through the heart of Wickett. With the weak nature of the tornado and lack of targets outside of the city, the exact starting and ending points of the tornado could not be determined.									
Damage included one abandoned mobile home that was overturned and destroyed, several carports and other low-grade roofs dislodged, and utility poles/lines downed. With little structural damage to any substantial dwellings, this tornado was rated in the high end of the FO category. Vectors into the center of the damage converged at a 90 degree angle.									
This mesocyclone quickly occluded after exiting Wickett, with the following mesocyclone producing another weak tomado in western Ector County.									
Andrews County									
3 NE Frankel City	22	0055CST			0	0			Hail (1.00)
Upton County									
Rankin	22	0105CST			0	0			Hail (1.75)
Ector County									
Notrees	22	0120CST			0	0			Hail (0.88)
Gaines County									
3 S Seminole	22	0137CST			0	0			Hail (1.00)
Ector County									
8 S Goldsmith to	22	0142CST	3	200	0	0	10K		Tornado (F0)
6 S Goldsmith		0150CST							
The Wickett supercell storm occluded then spawned another strong mesocyclone. What was believed to have been a weak tomado formed in western Ector County and knocked down two sets of utility poles. The tornado moved northeast through open country taking out a line of 11 utility poles about 2 miles west of FM 866, then proceeded to the northeast and knocked down 4 additional poles at the intersection of FM 866 and State Highway 302.									
Absolute confirmation of the tornado could not be gained due to the lack of damage in the path. Tall grasses in the path gave little clue to the winds in this weak phenomenon. The decision to classify this as a tomado was due to the extreme intensity of low level radar signatures as well as the fairly narrow damage path sustained over a three mile track.									
Although utility poles were knocked over, this tornado was rated only as a high F0 due to the seemingly undisturbed vegetation.									
Andrews County									
5 S Andrews	22	0200CST			0	0			Flash Flood
		0500CST							
U.S. Highway 385 underwater.									
Gaines County									
12 E Seminole	22	0200CST			0	0			Flash Flood
		0500CST							
Water on road of Hwy 180.									
Ector County									
5 E Goldsmith	22	0223CST			0	0			Hail (1.75)

# Storm Data and Unusual Weather Phenomena

March 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
TEXAS West									
Ector County									
Gardendale	22	0300CST			0	0			Flash Flood
		0500CST							
		Minor flooding on Hwy 158.							
Ector County									
Gardendale	22	0300CST			0	0			Hail (1.00)
Martin County									
11 W Tarzan	22	0335CST			0	0			Hail (1.00)
Martin County									
3 WSW Tarzan	22	0410CST			0	0	40K		Thunderstorm Wind
		Thunderstorm outflow winds damaged farm equipment.							
Martin County									
Flower Grove	22	0425CST			0	0	3K		Hail (2.00)
		Vehicles damaged.							
Martin County									
3 W Tarzan	22	0430CST			0	0			Flash Flood
		0630CST							
		State Highway 176 was flooded with two feet of water over the roadway.							
Martin County									
Ackerly	22	0440CST			0	0			Hail (1.50)
Borden County									
Gail	22	0530CST			0	0			Hail (1.00)
		A series of large supercell thunderstorms developed during the late evening and early morning hours in advance of a strong upper level low pressure system. These storms produced hail up to golfball size, damaging thunderstorm winds, some flash flooding, and one tornado.							
Upton County									
8 NW Rankin	22	1452CST			0	0			Funnel Cloud
Upton County									
13 N Rankin to	22	1504CST	1	140	0	0	1K		Tornado (F1)
14 N Rankin		1510CST							
		This tornado was visible from Rankin as a condensation funnel to the ground. It traveled across open ranchland, breaking through one fence.							
		A supercell thunderstorm moving across Upton county produced both a funnel and a weak tornado.							
Upton County									
5 NW Rankin to	22	1540CST	1.5	100	0	0			Tornado (F0)
6 NW Rankin		1545CST							
		The very next storm to move north of Rankin produced another tornado in the same area. No damage path was found.							
Midland County									
Countywide	22	1750CST			0	0			Flood
	23	0800CST							
		Most roads and highways east and south of Midland were closed due to high water. A man and his son were rescued by a DPS helicopter crew after being washed off County Road 1160, 14 miles SSE of Midland. The two were treated for hypothermia at the hospital.							
Glasscock County									
4 SW Garden City	22	1815CST			0	0			Funnel Cloud
Glasscock County									
Garden City	22	1830CST			0	0			Hail (1.75)
		Hail reported on west side of town.							
Glasscock County									
14 NE Garden City	22	1845CST			0	0	2K		Hail (2.00)
		Hail broke car windows.							
Glasscock County									
14 NE Garden City to	22	1845CST	2	200	0	0			Tornado (F0)
16 NE Garden City		1855CST							

# Storm Data and Unusual Weather Phenomena

March 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>TEXAS West</u>									
The tornado crossed US 87 two miles west of the Glasscock/Sterling county line. This storm continued through the northwest corner of Sterling County and into southwest Mitchell County where another tornado formed.									
Mitchell County 18 SSW Westbrook to 14 S Westbrook	22	1905CST 1912CST	2	200	0	0			Tornado (F0)
The Glasscock county tornado storm occluded, then formed another mesocyclone in the southwest corner of Mitchell County.									
Mitchell County 5 SW Colorado City	22	1940CST			0	0			Hail (1.75)
This long lasting supercell thunderstorm produced a small tornado in Upton county, flash flooding in Midland county, a tornado, and hail up to two inches in diameter in Glasscock county. The remainder of this storm went on to produce golfball size hail in Mitchell county.									
Upton County 10 SW Midkiff	22	1600CST 1615CST			0	0			Hail (3.00)
Glasscock County 10 SW Garden City	22	1650CST			0	0			Funnel Cloud
A large thunderstorm produced these two reports of hail at FM 2401 and TX 349 in Upton county and went on to produce a funnel in Glasscock county.									
Pecos County Girvin	22	1603CST			0	0			Hail (1.75)
This storm did not produce any other severe weather besides this one report.									
Mitchell County 2 NW Westbrook	22	1811CST			0	0			Hail (1.75)
Mitchell County 4 N Westbrook to 6 NNW Colorado City	22	1825CST 1835CST	4	250	0	0			Tornado (F0)
The Howard County tomadic storm evolved another mesocyclone and spawned this tomado reported by the DPS.									
Scurry County Dunn	22	1857CST			0	0			Hail (1.00)
The Westbrook storm continued moving to the northeast into southern Scurry County.									
Scurry County 3 E Dunn	22	1902CST			0	0	1K		Thunderstorm Wind
After the Mitchell County tornado dissipated, the stone moved into southern Scurry County where a rear-flank downdraft took down utility lines.									
Scurry County Countywide	22 23	2300CST 1000CST			0	0	10K		Flood
Scurry County was on the north end of the extreme rains over the area. More than 6" of rain fell over southern parts of the County. One man was swept off Pleasant Hill Rd., but was able to escape the flood waters after flowing for about 100 yards. Several other cars were washed off roads, but were not swept off into a draw like previous one was.									
Crane County Countywide	22 23	1900CST 0600CST			0	0	500K		Flood
Extensive flooding near Crane and points south closed highways and caused damage. The Crane Country Club sustained damage to the golf course as well as the building and equipment. The damage was so extensive that the county nearly decided to permanently shut down it operations. All roads in and out of Crane were closed overnight with U.S. Highway 385 sustaining some damage.									
Crane County Crane	22	1916CST			0	0			Hail (1.75)
A pair of storms produced street flooding in the city of Crane and reports of hail up to golfball size.									
Glasscock County 13 SW Garden City to 10 SW Garden City	22	1920CST 1925CST			0	0			Funnel Cloud
Glasscock County 13 SW Garden City	22	1920CST			0	0			Hail (1.75)

# Storm Data and Unusual Weather Phenomena

March 2000

Location	Date	Time Local/Standard	Path Length	Path Width	Number of Persons Killed	Iniured	Property Damage	Crops	Character of Storm
<u>TEXAS West</u>									
Glasscock County 10 SW Garden City to 5 SW Garden City	22	1925CST 1935CST	5	150	0	0			Tornado(F0)
	The Sheriffs Office reported a tornado near FM 2401.								
Howard County 10 S Big Spring	22	2010CST			0	0			Hail (1.75)
	This strong supercell thunderstorm produced a tornado, funnel cloud, hail, and flash flooding across Glasscock and Howard counties.								
Glasscock County Countywide	22 23	1925CST 1200CST			0	0	400K		Flood
	Glasscock County was probably the most affected county in the region by the flooding. Almost the entire county received in excess of 2 inches of rain with the northwest half (about 400 square miles) of the county getting inundated with around 6 inches of rain. Much of this rainfall collected in Mustang Draw that flowed northward into Howard County where the vehicle fatalities occurred. Highway 137 in the northwest part of the county was closed for many days before flood waters receded. The high, swift flows took out fence lines over much of the area.								
Crane County 8 W Crane	22	2005CST			0	0			Hail (1.00)
	Another storm to develop along the same favorable area of lift produced one inch hail near Crane.								
Upton County Countywide	22 23	2100CST 0800CST			0	0	100K		Flood
	Widespread flooding occurred across much of the county with the heaviest band of rain in excess of 6 inches stretching from the Crane County line north of McCamey to northeastern Upton County near Midkiff. Most highways and roads in these parts of the county were closed, with one bridge on State Highway 329 sustaining heavy damage to its surface.								
Upton County 4 N Mc Camey	22	2125CST			0	0			Hail (1.75)
	A thunderstorm moved through Upton county producing golfball size hail and additional flash flooding near McCamey.								
Glasscock County 8 N Garden City	22	2225CST 2230CST	0.5	100	0	0			Tornado(F0)
	Storm spotters reported this storm produced two tornadoes.								
Reagan County 3 W Best to 9 N Best	22	2225CST 2233CST	10	200	0	0			Tornado(F1)
	This thunderstorm formed near Iraan and moved sluggishly to the northeast across Crockett County. When the storm entered Reagan County it rapidly intensified into a classic supercell. This tornado was reported by a trucker who saw it cross U.S. Highway 67. The tornado hit a trailer and a ranchhouse, causing F1 damage to the ranch house.								
Reagan County 12 N Stiles to 17 NNE Stiles	22	2255CST 2305CST	6	300	0	5	200K		Tornado(F2)
	The tornado knocked a small house off its foundation by about 15 yards with the house pivoting 90 degrees as well. One infant suffered a slight head injury from falling furniture. The tornado continued traveling north-northeast through rural areas, but struck and destroyed a mobile home, injuring two men, one seriously. Lighter damage was scattered along the rest of its path, including utility poles down, parts of roofs damaged, fences and barns damaged, etc. The tornado crossed into Glasscock County at 31.65N/101.50W.								
Glasscock County 4 SE St Lawrence to 5 ENE St Lawrence	22	2305CST 2315CST	6	300	0	0	40K		Tornado (F1)
	Tornado continued from northern Reagan County. A string of 12 utility poles was knocked down on FM 2401, an abandoned house lost part of its roof, and 6 more poles were knocked down on Ranch Road 33. The tornado apparently dissipated just after knocking down the last set of poles. The entire path length of the tornado was 12 miles.								
Glasscock County St Lawrence	22	2317CST			0	1	20K		Thunderstorm Wind (G65)
	The Rear-flank downdraft from the tornado supercell overturned 3 small trailers at one property. Winds hit from the northwest. This storm was a classic supercell that formed ahead of the training line of storms to the west.								

# Storm Data and Unusual Weather Phenomena

March 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property Damage Crops	Character of Storm
<b>TEXAS West</b>								
Howard County Countywide	22	2300CST			2	1	10K	Flood
	23	1200CST						
<p>Almost all of Howard County received at least 2.5" of rain overnight with the southern and eastern parts of the county getting in excess of 6". Doppler radar estimates of up to 11.5" of rain were estimated in southeastern Howard County. In addition to these rains, heavy rains in northern Glasscock County contributed the flooding problems as well with waters flowing northward in Mustang Draw.</p> <p>A mother and her two children were swept off FM 818 at the Mustang Draw crossing (12 miles southwest of Big Spring). Although the rains had ended about 5 hours before, flood waters still raged through this draw as they attempted to cross at about 7:30 am. The mother was taken about 1/2 mile downstream but was able to reach ground, however, neither of the children survived. The daughter's body was found after officials and volunteers searched for 12 hours, but the boy's body was located over a week later--after the official search had been called off. The mother was treated for hypothermia and released. FIVE, M6VE</p>								
Mitchell County Countywide	22	2300CST			0	0	20K	Flood
	23	1800CST						
<p>Flash flooding occurred over parts of Mitchell County especially on rural roads north of Colorado City. From the extreme rains in the region, the Colorado River quickly rose above flood stage. Parts of Colorado City became flooded as the river came out of its banks. The flood crest of 28.57 feet (over 13 feet above flood stage) on the 24th was the highest flood stage since the Lake J.B. Thomas Dam was constructed.</p> <p>Overall Synopsis: A strong upper level low pressure system was approaching the region, while frontal boundaries and outflow boundaries served as a focus for development at the surface. In Snyder, many churches combined for a prayer for rain at the local civic center on the evening of the 22nd. Storms pounded the local area during the service. Training supercells from near Snyder to the southwest past McCamey pummeled the area for about 10 hours. Radar rain totals in this area exceeded 6 inches over a path of 150 miles in length and about 20 miles in width. A few areas received close to 10 inches overnight. Lake Colorado City drew in around 4.9 billion gallons of water (15,000 acre feet), sending the lake up 12.6 feet. The lake rose from 40% capacity to 91.8% capacity (only 20 inches from the top of the spillway) from this one event.</p>								
Glasscock County 18 SW Garden City	22	2340CST			0	0		Hail (0.75)
Glasscock County Garden City	23	0025CST			0	0		Hail (1.50)
TXZ258	23	0100MST 1300MST	Guadalupe Mountains Of Culberson County		0	0		High Wind (G60)
TXZ258	28	1200MST 1900MST	Guadalupe Mountains Of Culberson County		0	0		High Wind (G70)
Crane County 12 NW Crane	31	1720CST			0	0		Hail (1.75)
Hail reported at FM 1233 and Fm 1601.								
Midland County 21 S Midland	31	1810CST			0	0		Hail (0.75)
Hail reported at FM 1787 and FM 1788.								
Midland County 12 S Midland	31	1849CST			0	0		Flash Flood
Flooding reported on TX 349.								
Midland County 20 SE Midland	31	1900CST			0	0	0.50K	Thunderstorm Wind
Thunderstorm winds turned over a chicken coop and broke trailer windows.								
Glasscock County 13 SW Garden City	31	1905CST 1910CST	1	100	0	0		Tornado (F0)
A tornado was reported on TX 137 and CR 30.								